

HELICOPTER MECHANIC LEADWORKER*Class Definition*

Under supervision, provides lead direction and performs skilled, technical work repairing, maintaining and overhauling City-owned helicopters and related equipment.

Distinguishing Characteristics

Helicopter Mechanic Leadworker is a single position class assigned to the Aviation Unit in the Police Department. The incumbent provides lead direction and performs skilled, technical work in the scheduled and unscheduled maintenance, repair and overhaul of City-owned helicopters and related equipment in accordance with Federal Aviation Administration rules and regulations, aircraft manufacturer's guidelines, and Police Department policies and procedures. The incumbent will be required to work variable hours as necessary to include nights, weekends and holidays.

Typical Tasks

(This list is neither inclusive nor exclusive. Consequently, this information may not reflect Essential Functions for this class.)

Provides lead direction and participates in skilled, technical work maintaining, repairing and overhauling helicopters and relating equipment.

Performs aircraft, engine and systems inspection, service and repair in accordance with the manufacturer's manuals, notices and bulletins, and Airworthiness Directives as issued by the Federal Aviation Administration.

Diagnoses and repairs maintenance discrepancies on airframes, engines, transmissions, rotor systems, gear boxes, control assemblies, accessories, instrumentation, electrical, and related systems and equipment.

Participates in helicopter check flights to aid in aircraft troubleshooting and diagnostics.

Ensures aircraft availability for patrols, training, maintenance and surveillance.

Maintains logbooks and related maintenance records; completes maintenance forms required for Federal Aviation Administration certification and Federal Aviation Regulations (FAR) part 91 operations.

Maintains inventory of necessary equipment, parts and materials; maintains current listing of specialized vendors.

Performs emergency maintenance or repairs on a call-out basis.

Performs related duties as required.

Knowledge, Abilities and Skills

Knowledge of the methods, principles, tools, materials, publications, and equipment used in the maintenance and repair of helicopters.

Knowledge of the principles and characteristics of helicopter engines and systems operations.

Knowledge of aircraft maintenance and record keeping and reporting procedures.

Ability to schedule, lead, and participate in routine and emergency maintenance and repair of helicopter engines, systems, and related equipment.

Ability to inspect and locate difficulties and perform required major and minor mechanical, hydraulic, or electronic repair work.

Ability to order and maintain stock of parts and supplies.

Ability to maintain a variety of shop and service records.

Ability to understand and follow oral and written instructions.

Ability to provide lead direction to subordinate mechanics.

Ability to establish and maintain effective working relationships.

Minimum Qualifications

Five years of airframe and power plant experience in helicopter maintenance, repair, troubleshooting, and inspections including two years with fully articulated rotor systems and reciprocating engines.

Special Requirements

Possession of a valid Airframe and Power Plant Mechanic License as issued by the Federal Aviation Administration at time of appointment.

Possession of a valid Inspection Authorization Certificate as issued by the Federal Aviation Administration at time of appointment.

Possession of a valid California Driver's License may be required at time of appointment.

Successful completion of an Enstrom factory maintenance training course by time of application is desirable.

APPROVED: _____
Director of Administrative Services

DATE: _____

ATS:CMT:djs:revised 10/06/97:u87.cmt/spec16